

UNITED STATES DEPARTMENT OF AGRICULTURE,
FEDERAL HORTICULTURAL BOARD,
WASHINGTON, D. C.

December 3, 1914.

NEWS LETTER NO. 14.

BUREAU OF ENTOMOLOGY

RECEIVED
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Dear Sir:

Department of Agriculture,

The question has been asked several times whether it is necessary to inspect florists' supplies, such as azaleas, which are often destroyed as soon as their rather transient decorative use is over. The risk with azaleas and plants of this kind is in the repeated finding in such material of gipsy moth egg masses, as reported in news letters hitherto issued. An additional instance of this kind is reported in this news letter on azaleas from Belgium. It does not seem safe to neglect inspection of any imported plant which may be field-grown. Very frequently, also, azaleas and similar plants are set out in gardens or door-yards after their house use is completed, or are thrown out in yards or vacant lots, where the hatching larvae later on may easily gain access to vegetation.

An interesting finding of fragments of the Mexican cotton boll weevil in wild cotton seed from Mexico was one of the features of the local inspection service of the Board, recorded under the District of Columbia.

While it is true that the great mass of the insects and diseases reported in these news letters are of common species already established in this country, the record is interesting as

exhibiting the condition of the imported stock as to general cleanliness from different countries, and the reporting of all these findings is a very distinct educational training for inspectors. Inspectors, therefore, are urgently requested to report all insects or diseases found in the course of their examinations of imported stock. Wherever there is a likelihood of a possible identification, and the inspector is not able to make such an identification himself, it is again urged that specimens be sent to this office for reference to the experts of the Bureau of Entomology or the National Museum. An identification such as "pupa" is of very little value unless the family, or at least the order to which it belongs, be also given. There is always a possibility that partially identified things may be pests of considerable importance.

In spite of the disturbed conditions in Europe, importations of plants and nursery stock are proceeding in a fairly normal way, and even Belgian stock is coming over in considerable quantities via Holland. In response to a cable inquiry this office was advised through the French Ambassador at Washington that the French inspection service would be maintained, and large importers of French stock have since confirmed this advice. Under the existing European conditions there may naturally be expected some irregularity in compliance with our regulations, and certain leniency may occasionally be necessary, especially where safety can be fully assured by adequate inspection on this side, either at the port of entry or destination.

Yours very truly,

C. L. MARLATT,
Chairman of Board.

List by Countries of Pests Collected.

(The number in parentheses following name of host indicates the number of times reported. Absence of number indicates one report).

Name of Pest.	Host.
<u>AUSTRALIA.</u>	
Mites	Kentia seed.
<u>BELGIUM.</u>	
Aleyrodes sp. (White fly)	Azaleas (61)
" " " "	Palms
Aphids (Plant lice)	Azaleas (3)
Aphis sp. (Plant lice)	Azaleas
Aspidiotus britannicus (Scale insect)	Bays
" camelliae (Greedy scale)	Cycas tonkinensis
" " "	Eurya latifolia
" hederae (Ivy scale)	?
" " "	Azaleas
" " "	Bay trees (2)
" " "	Bay (?)
" " "	Palms (9)
" sp. (Scale insect)	?
Asterochiton sp. (?)	Azaleas
Cerataphis lataniae (Plant louse)	?
Ceroplastes cirripediformis (Barnacle scale)	Bay trees
Chrysomphalus dictyospermi (Scale insect)	Palms (3)
" ficus (Florida red scale)	Palms
Coccus hesperidum (Soft brown scale)	Araucarias
" " " " "	Bays (15)
Cutworm larvae (?)	Azaleas
Dipterous (?) cocoon	"
" larvae	In ball of earth on Rhododendrons
" pupa (small fly)	Azaleas
Disonycha punctigera Lec. (Beetle)	?
Fly larvae	Azaleas (2)
Gelechiid (?) leaf tyer	Bay trees
Gracilaria azaleae (Leaf miner)	Azaleas (5)
" " (?) (Leaf miner)	" (9)
Heliothrips haemorrhoidalis (Greenhouse thrips)	Azaleas (2)
Hemichionaspis aspidistrae (Scale insect)	Aspidistra (5)
Lachnostenra sp. (Beetle)	Azaleas
Larva	"
Leaf roller	"
Leaf skeletonizer	"
Lepidopterous cocoons	" (4)

Name of Pest.

Host.

BELGIUM (Continued).

Lepidopterous larvae	Azaleas (6)
Liparid pupa	Azalea
Mites	"
Noctuid cocoon	"
" pupa	"
Parthenothrips dracaenae	Palms
Peronea schalleriana, larvae of	Azaleas (6)
Porthetria dispar (Gipsy moth) (egg mass)	Azalea
Pseudococcus adonidum (Long-tailed mealy bug)	Dracaena indivisa
" nipae (Palm mealy bug)	Palms
" " " "	?
" sp. (Mealy bug)	Palms (3)
" " "	Azaleas
" " "	?
" " "	Eurya latifolia
Pupa	Azalea
" (in cocoon)	"
Scale insect	?
Slug	Azaleas
Spiders (red)	" (4)
" "	Palms
Thrips (larvae)	Azaleas (2)
Thrips	" (12)
Thrips (?)	" (2)

Diseases:

Botrytis cinereae	Azaleas
" vulgaris (?) (Gray mold?)	Rhododendrons
Chrysomyxa rhododendri	Azaleas
Exobasidium rhododendri	"
" sp.	" (60)
" vaccinii	" (4)
Leaf spot	" (8)
Rust	" (7)
Sclerotinia rhododendri (?)	"

BERMUDA.

Alphitobius piceus	Lilium harrisii bulbs
Echocerus maxillosus ?	" " "
Rhizoglyphus hyacinthi (Bulb mite)	Lilium harrisii

Name of Pest.

Host.

BOLIVIA.

Trypopremnon latithorax (Potato weevil) Yellow potato

CHINA.

Calandra granaria (Granary weevil)	Barley
" oryza (Rice weevil)	"
" " " "	Corn
Sweet potato moth	Sweet potatoes
" " weevil	" "

COLOMBIA.

Acanthoctenus sp. (Small spider)	Orchids
Agromyzidae (?) (Leaf miner work; no insects)	?
Ants	Orchids (3)
Aspidiotus sp. (Scale insect)	Nutmeg leaf
Cocoon (White, empty)	Orchids
Diaspis boisduvalii (Scale insect)	" (2)
Eurycipitia splendens	"
Hemipteron	"
Homalopteryx sp. (Roach)	"
Ischnaspis longirostris (Scale insect)	Nutmeg leaf
Isopod	Orchids
Isosoma orchidearum (Cattleya fly)	" (2)
Leucophaea maderae (Roach--large nymph)	"
Mantidae (nymphs)	?
Noctuid (?) larva	Orchids (2)
Parlatoria pergandei (Chaff scale)	?
Pseudaonidia articulatus (Scale insect)	Cinnamon leaf
Pseudococcus nipae (Mealy bug)	Orchids
Pyralid (?) larva	" (2)
Roach	" (2)
Roach (egg capsule of)	" (2)
Scale insects	"
Tenthecoris bicolor	"

Diseases:

Ascomycete (immature)	"
Colletotrichum	"
Diplodia sp.	"
Physalospora cattleyae	"
Rot (soft, black)	"
Saprophytic fungi	"

Name of Pest.	Host.
<u>COSTA RICA.</u>	
Drosophila sp.	Feeds on decaying plant tissue.
Plodia interpunctella	Cedron seed.
<u>CUBA</u>	
Howardia biclavis (Mining scale)	Garcinia
Vinsonia stellifera (Stellate scale)	"
<u>EGYPT.</u>	
Calandra granaria (Granary weevil)	Corn
" oryza (Rice weevil)	"
" " " "	Sorghum
Tribolium ferrugineum (Rust-red flour beetle)	"
<u>ENGLAND.</u>	
Diaspis boisduvalii (Scale insect)	Orchids (2)
<u>FRANCE.</u>	
Calandra oryza (Rice weevil)	Barley
<u>GUATEMALA.</u>	
Cerataphis lataniae (Plant louse)	Orchids
Chrysomphalus ficus (Florida red scale)	"
Diaspis boisduvalii (Scale insect)	"
Pseudococcus longispinus (Mealy bug)	"
Diseases:	
Ascomycete (immature)	Pitahaya
Colletotrichum	"

Name of Pest.

Host.

HOLLAND.

Aleyrodes sp. (White fly)	Azaleas (2)
" " " "	Hollies
Aphids (Plant lice)	Hydrangeas (?)
" " "	Rose
Lepidopterous (?) eggs	On bird's nest on boxwood
Lepidosaphes ulmi (Oyster-shell scale)	Boxwood (20)
Notolophus antiqua (?) (European tussock moth)	?
Red spider	?
Wire worm	In moss and leaf mold.

Diseases:

Leaf mold	?
Leaf spot	Rhododendrons
Pestalozzia sp. (?)	"
Sphaerotheca pannosa (Powdery mildew)	Roses

INDIA.

Aphids (Plant lice)	Tea plants
Scale insects	" "

Diseases:

Diplodia	Bassia spp.
Lasiodiplodia sp.	" latifolia

JAPAN.

Calandra oryza (Rice weevil)	Barley
Caterpillars	Camellia
Flea beetles	Azaleas
Hemipteron, nymphs of	Insects crawling on cloth covering of Camellia.

MEXICO.

Anthonomus grandis (Mexican cotton boll weevil)	Wild cotton seed
Bruchus sp.	" " "

Name of Pest.

Host.

NEW ZEALAND.

Aleyrodes sp. (White fly)	Pittosporum tenuifolium
Lecanium sp. (Scale insect)	Sophora microphylla
Poliaspis sp. " "	Styphelia fasciculata
Pseudococcus sp. (Mealy bug)	Libertia grandiflora
Turips	Metrosideros lucida

NORTHERN NIGERIA.

Bruchus 4-maculatus	Black-eye pea
Calandra oryza (Rice weevil)	Bean
" " " "	Sorghum
Histicstoma sp.	Sugar cane
Lasioderma serricorne (Cigarette beetle)	Black-eye pea
Parasitus sp.	Sugar cane
Rhizopertha dominica (Lesser grain borer)	Sorghum
Tribolium confusum (Confused flour beetle)	Benise seed
Tyroglyphus sp.	Sugar cane

Diseases:

Smut	Guinea corn
Thielaviopsis paradoxa	Sugar cane

PALESTINE.

Calandra granaria (Granary weevil)	Barley
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Disease:

Puccinia glumarum?	Barley seed
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PERU.

Calandra oryza (Rice weevil)	?
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Disease:

Smut	Barley
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Name of Pest.	Host.
<u>PHILIPPINE ISLANDS.</u>	
Bruchus obtectus (Bean weevil)	Ricinus
" " " "	Beans
Disease: Sclerotia?	Mango seed
<u>SUDAN, AFRICA.</u>	
Coccotrypes dactyliperda (Weevil)	Ivory nuts
<u>VENEZUELA.</u>	
Araecerus fasciculatus (Coffee-bean weevil)	Coumarouna odorata
Tribolium ferrugineum (Rust-red flour beetle)	" "

List by States of Pests Collected.

(The number in parentheses following name of country indicates the number of times reported. Absence of number indicates one report).

Name of Pest.	Host.	Country of origin.
<u>CALIFORNIA.</u>		
Aleyrodes sp. (White fly)	Azaleas	Belgium (5)
" " " "	Pittosporum tenuifolium	New Zealand
Aphids (Plant lice)	Tea plants	India
Aspidictus britannicus (Scale insect)	Bays	Belgium
" camelliae (Greedy scale)	Cycas tonkinensis	"
" " " "	Eurya latifolia	"
" hederae (Ivy scale)	Azaleas	"
" " " "	Palms	"
Cerataphis lataniae (Plant louse)	Orchids	Guatemala
Ceroplastes cirripediformis (Barnacle scale)	Bay trees	Belgium
Chrysomphalus ficus (Florida red scale)	Orchids	Guatemala
Coccus hesperidum (Soft brown scale)	Araucarias	Belgium
" " " " "	Bays	" (2)
Diaspis boisduvalii (Scale insect)	Orchids	England
" " " " "	"	Guatemala
Lecanium sp. (Scale insect)	Sophora microphylla	New Zealand
Lepidopterous larvae	Azaleas	Belgium
Mites	Kentia seed	New South Wales
Poliaspis sp. (Scale insect)	Styphelia fasciculata	New Zealand
Pseudococcus adonidum (Long-tailed mealy bug)	Dracaena indivisa	Belgium
" longispinus (Mealy bug)	Orchids	Guatemala
" sp. (Mealy bug)	Eurya latifolia	Belgium
" " " "	Libertia grandiflora	New Zealand
Scale insects	Tea plants	India
Thrips	Azaleas	Belgium (6)
"	Metrosideros lucida	New Zealand

CONNECTICUT.

Aleyrodes sp. (White fly)	Azaleas	Belgium
Dipterous larvae	In ball of earth on Rhododendrons	"
Lepidopterous cocoon	Azaleas	"
" (?)eggs	On bird's nest on boxwood	Holland
Lepidosaphes ulmi (Oyster-shell scale)	Boxwood	"
Noctuid cocoon	Azaleas	Belgium
" pupa	"	"
Pupa	"	"
Disease:	"	"
Exobasidium	"	(17)

Name of Pest.	Host.	Country of origin.	
<u>DISTRICT OF COLUMBIA.</u>			
Aleyrodes sp. (White fly)	Azaleas	Belgium (3)	
Alphitobius piceus	Lilium harrisii bulbs	Bermuda	
Anthonomus grandis (Mexican cotton boll weevil)	Wild cotton seed	Mexico	
Araecerus fasciculatus (Coffee-bean weevil)	Coumarouna odorata	Venezuela	
Aspidictus hederae (Ivy scale)	Palms	Belgium (2)	
" " "	?	"	
Bruchus obtectus (Bean weevil)	Beans	Philippine Islands	
" " "	Ricinus	" "	
" 4-maculatus	Black eye pea.	Northern Nigeria	
" sp.	Wild cotton seed	Mexico	
Calandra granaria (Granary weevil)	Barley	China	
" " "	Corn	Egypt	
" oryza (Rice weevil)	?	Peru	
" " "	Barley	France	
" " "	Bean	Northern Nigeria	
" " "	Corn	Egypt	
" " "	Sorghum	"	
" " "	"	Northern Nigeria	
Cerataphis lataniae (Plant louse)	?	Belgium	
Coccus hesperidum (Soft brown scale)	Bay trees	"	
Drosophila sp.	Feeds on decaying plant tissue	Costa Rica	
Echocerus maxillosus ?	Lilium harrisii bulbs	Bermuda	
Gracilaria azaleae (Leaf miner)	Azaleas	Belgium	
Heliothrips haemorrhoidalis (Greenhouse thrips)	Azaleas	"	
Histiostoma sp.	Sugar cane	Northern Nigeria	
Howardia biclavis (Mining scale)	Garcinia	Cuba	
Lasioderma serricorne (Cigarette beetle)	Black eye pea.	Northern Nigeria	
Lepidosaphes ulmi (Oyster-shell scale)	Boxwood	Holland (2)	
Parasitus sp.	Sugar cane	Northern Nigeria	
Parthenothrips dracaenae	Palms	Belgium	
Plodia interpunctella	Cedron Seed	Costa Rica	
Pseudococcus nipae (Palm mealy bug)	?	Belgium	
" " " " "	Palms	"	
Rhizoglyphus hyacinthi (Bulb mite)	Lilium harrisii	Bermuda	
Rhizopertha dominica (Lesser grain borer)	Sorghum	Northern Nigeria	
Thrips	Azaleas	Belgium	
Tribolium confusum (Confused flour beetle)	Benise seed.	Northern Nigeria	
" ferrugineum	(Rust-red flour beetle)	Coumarouna odorata	Venezuela
" " " " "	Sorghum	Egypt	
Trypopremnon latithorax (Potato weevil)	Yellow potato	Bolivia	
Tyroglyphus sp.	Sugar cane	Northern Nigeria	
Vinsonia stellifera (Stellate scale)	Garcinia	Cuba	

Name of Pest.	Host.	Country of origin.
<u>DISTRICT OF COLUMBIA (Continued).</u>		
Diseases:		
Ascomycete	Pitahaya	Guatemala
Colletotrichum	"	"
Diplodia	Bassia spp.	India
Exobasidium sp.	Azaleas	Belgium (12)
Lasiocladodilia sp.	Bassia latifolia	India
Puccinia glumarum?	Barley seed	Palestine
Sclerotia?	Mango seed	Philippine Islands
Smut	Guinea corn	Northern Nigeria
"	Barley	Peru
Thielaviopsis paradoxa	Sugar cane	Northern Nigeria

GEORGIA.

Aphis sp. (Plant louse)	Azaleas	Belgium
Dipterous pupa	"	"
Gracilaria azaleae (?) (Leaf miner)	"	" (2)
Lepidopterous cocoon	"	"
" larvae	"	" (2)
Liparid pupa	"	"
Pseudococcus sp. (Mealy bug)	"	"
Pupa (in cocoon)	"	"
Thrips	"	" (4)

Disease:

Exobasidium	"	"
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HAWAII.

Bruchus pisorum (Bean weevil)	Horse beans	?
Calandra oryza (Rice Weevil)	Corn	China
Caterpillars	Camellia	Japan
Flea beetles	Azaleas	"
Hemipteron, nymphs of	Insects crawling on cloth covering of Camellia	"
Sweet potato moth	Sweet potatoes	China
" " weevil	" "	"

ILLINOIS.

Aleyrodes sp.	Azaleas	Belgium (3)
Gracilaria azaleae (?) (Leaf miner)	"	"
Lepidopterous cocoons	"	"

Name of Pest.

Host.

Country
of origin.

ILLINOIS (Continued).

Thrips

Azaleas

Belgium

Diseases:

Exobasidium

"

" (2)

INDIANA

Aleyrodes sp. (White fly)
" " " "

Azaleas

Belgium (6)

Asterochiton sp. (?)

Hollies

Holland

Coccus hesperidum (Soft brown scale)

Azaleas

Belgium

Cutworm larvae (?)

Bay trees

"

Fly larvae

Azaleas

"

Gracilaria azaleae (Leaf miner)

"

(2)

Leaf roller

"

"

Lepidopterous larva

"

"

Red spiders

"

(3)

Thrips

"

"

Thrips (?)

"

(2)

Diseases:

Botrytis vulgaris (?) (Gray mold?)

Rhododendrons

"

Pestalozzia sp. (?)

"

Holland

KANSAS.

Diseases:

Botrytis cinereae

Azaleas

Belgium

Chrysomyxa rhododendri

"

"

Exobasidium vaccinii

"

(4)

Sclerotinia rhododendri (?)

"

"

KENTUCKY.

Aspidiotus hederae (Ivy scale)

Palms

Belgium

Gracilaria azaleae (?) (Leaf miner)

Azaleas

"

(2)

Lachnostenra sp. (Beetle)

"

"

Larva

"

"

Leaf skeletonizer

"

"

Lepidopterous larvae

"

(2)

Disease:

Exobasidium

"

" (4)

Name of Pest.

Host.

Country
of origin.LOUISIANA.

<i>Aspidiotus hederae</i> (Ivy scale)	Bay trees	Belgium
" " " "	Palms	"
<i>Coccus hesperidum</i> (Soft brown scale)	Bay trees	" (?)
Gelechiid (?) leaf tyer	" "	"

MARYLAND.

Diseases:

<i>Exobasidium</i>	Azaleas	Belgium (7)
<i>Sphaerotheca pannosa</i> (Powdery mildew)	Roses	Holland

MASSACHUSETTS.

<i>Aleyrodes</i> sp. (White fly)	Azaleas	Belgium (2)
" " " "	Palms	"
<i>Aspidiotus hederae</i> (Ivy scale)	Bay trees	"
<i>Disonycha punctigera</i> (Beetle)	?	"
<i>Gracilaria azaleae</i> (Leaf miner)	Azaleas	"
" " (?) (Leaf miner)	"	" (2)
<i>Heliothrips haemorrhoidalis</i> (Greenhouse thrips)	Azaleas	"
<i>Peronea schalleriana</i> , larvae of	"	" (6)

Disease:

<i>Exobasidium</i>	"	" (2)
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MINNESOTA.

<i>Aspidiotus hederae</i> (Ivy scale)	Bay (?)	Belgium
" sp. (Scale insect)	?	"
<i>Pseudococcus</i> sp. (Mealy bug)	?	"
Scale insect	?	"

MISSOURI.

Disease:

Leaf spot	Azaleas	Belgium
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Name of Pest.	Host.	Country of origin.
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NEBRASKA.

Aleyrodes sp. (White fly)	Azaleas	Holland
Aphids (Plant lice)	"	Belgium (3)
" " "	Hydrangeas (?)	Holland
" " "	Rose	"
Gracilaria azaleae (?)	Azaleas	Belgium
Mites	"	"
Notolophus antiqua (?) (European tussock moth) (?) ?	?	Holland
Slug	Azaleas	Belgium
Spider (red)	?	Holland
Thrips	Azaleas	Belgium
Wire worm	In moss and leaf mold	Holland

Diseases:

Exobasidium	Azaleas	Belgium (13)
Leaf mold	?	Holland
Leaf spot	Azaleas	Belgium (2)
Rust	"	" (7)

NEW HAMPSHIRE.

Dipterous (?) cocoon	Azaleas	Belgium
Lepidopterous cocoon (empty)	"	"

NEW JERSEY.

Aleyrodes sp. (White fly)	Azaleas	Belgium (33)
" " " "	"	Holland
Aspidiotus hederae (Ivy scale)	Palms	Belgium (2)
Chrysomphalus dictyospermi (Scale insect)	"	" (3)
" ficus (Florida red scale)	"	"
Coccus hesperidum (Soft brown scale)	Bays	" (2)
Diaspis boisduvalii (Scale insect)	Orchids	England
Gracilaria azaleae (Leaf miner)	Azaleas	Belgium
Hemichionaspis aspidistrae (Scale insect)	Aspidistra	" (5)
Isosoma orchidearum, (Cattleya fly) (indications of)	Orchids	Colombia
Lepidosaphes ulmi (Oyster-shell scale)	Boxwood	Holland
Pseudococcus sp. (Mealy bug)	Palms	Belgium (3)

Diseases:

Leaf spot	Azaleas	" (5)
" "	Rhododendrons	Holland

Name of Pest.	Host.	Country of origin
<u>NEW YORK CITY. (Federal inspection).</u>		
Acanthocetus sp. (Small spider)	Orchids	Colombia
Agromyzidae (?) (Leaf miner work; no insects)	?	"
Ants	Orchids	" (3)
Aspidiotus sp. (Scale insect)	Nutmeg leaf	"
Cocoon (white, empty)	Orchids	"
Diaspis boisduvalii (Scale insect)	"	" (2)
Eurycipitia splendens	"	"
Hemipteron	"	"
Homalopteryx sp. (Roach)	"	"
Ischnaspis longirostris (Scale insect)	Nutmeg leaf	"
Isopod	Orchids	"
Isosoma orchidearum (Cattleya fly)	"	"
Leucophaea maderae (Roach)	"	"
Mantidae	?	"
Noctuid (?) larva	Orchids	" (2)
Parlatoria pergandei (Chaff scale)	?	"
Pseudaonidia articulatus (Scale insect)	Cinnamon leaf	"
Pseudococcus nipae (Mealy bug)	Orchids	"
Pyralid (?) larva	"	" (2)
Roach	"	" (2)
Roach, egg capsule of	"	"
Scale insects	"	"
Tenthecoris bicolor	"	"
Diseases:		
Ascomycete	"	"
Colletotrichum	"	"
Diplodia sp.	"	"
Physalospora cattleyae	"	"
Rot (soft, black)	"	"
Saprophytic fungi	"	"

NEW YORK.

Coccotrypes dactylicherda (Weevil)	Ivory nuts	Sudan, Africa
Portheretria dispar (Gipsy moth) (Egg mass)	Azaleas	Belgium

Name of Pest.	Host.	Country of origin.
<u>PENNSYLVANIA.</u>		
Aleyrodes sp. (White fly)	Azaleas	Belgium (8)
Aspidictus hederae (Ivy scale)	Palms	" (2)
Coccus hesperidum (Soft brown scale)	Bay trees	"
Lepidosaphes ulmi (Oyster-shell scale)	Boxwood	Holland (16)
Red spider	Palms	Belgium
<u>WISCONSIN.</u>		
Calandra granaria (Granary weevil)	Barley	Palestine
" oryza (Rice weevil)	"	China
" " "	"	Japan
Coccus hesperidum (Soft brown scale)	Bay trees	Belgium
Diseases:		
Exobasidium rhododendri	Azaleas	Belgium
" sp.	"	" (2)